

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-117567

(43)Date of publication of application : 06.05.1997

(51)Int.Cl.

A63F 7/02
G07F 7/12

(21)Application number : 08-223933

(71)Applicant : YUNIKA:KK

(22)Date of filing : 26.08.1996

(72)Inventor : HASEGAWA HIROSHI

(30)Priority

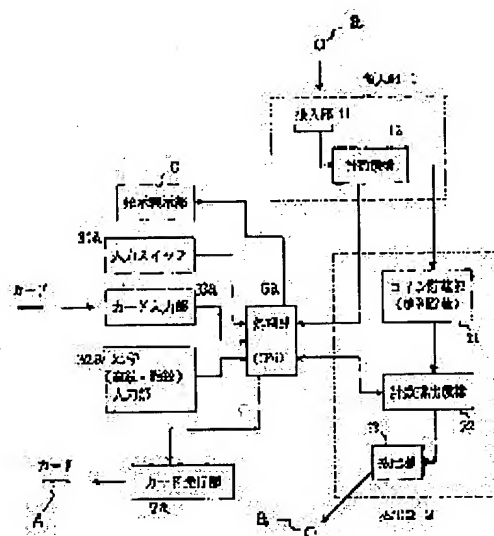
Priority number : 05294222 Priority date : 29.10.1993 Priority country : JP

(54) KEEPING DEVICE FOR COIN FOR GAME CENTER

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a device for performing the unmanned reception and pay-out jobs of coins exclusively for a game center in the game center.

SOLUTION: This device is provided with a reception part 1 for receiving the coins, a pay-out part 2 for paying out the coins, the input part (image scanner) 32a of the optical data of the palmprint or the fingerprint of a depositor, a magnetic card issuance part 7a, a card input part 33a and a processing part 5a for performing a prescribed control processing. A magnetic card in which the optical data of the depositor and a reception number are recorded issued at the time of reception, personal confirmation at the time of paying out is performed by the matching of the recorded data of magnetic card and the optical data of an individual and the pay-out of a person other than the individual is made impossible.



LEGAL STATUS

[Date of request for examination] 01.12.2000
[Date of sending the examiner's decision of rejection] 25.06.2004
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
[Date of final disposal for application]
[Patent number]
[Date of registration]
[Number of appeal against examiner's decision of rejection] 2004-15472
[Date of requesting appeal against examiner's decision of rejection] 26.07.2004
[Date of extinction of right]

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CLAIMS

[Claim(s)]

[Claim 1] the making a deposit section which consists of a counting mechanism of the coin injection section and the thrown-in coin, a coin stores dept., and coin -- counting -- with the expenditure section which consists of a discharge device and the coin expenditure section in which the ejection of coin is possible The optical input section which consists of an optical input device of palm print or a fingerprint, and the card issue section which publishes the magnetic card which recorded making a deposit section data and input section data as magnetic memory on the occasion of making a deposit, Coin custody equipment for game centers characterized by having the card input section which performs data reading of said card, and the processing section which made the functional list which distinguishes the propriety of expenditure based on optical input section data and card data have the moving control function of the making a deposit section and the expenditure section.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the coin custody equipment which keeps the coin only for the game centers concerned installed in a game center.

[0002]

[Description of the Prior Art] The game center is equipped with various kinds of game devices, and a player (customer) carries out the predetermined number injection of the coin concerned at a game machine to exchange and use for coin original with a game center, and it presents play with the game machine concerned. By the way, the play by the game machine may be canceled without there being also a device by which coin increases and returns depending on a game machine and using all the exchanged coin. Carrying out out of a game center is forbidden for coin in that case. That is, it is because coin possesses fixed monetary value, so transfer of the coin in the outside of a game center serves as a gamble action clearly forbidden by law.

[0003] So, when coin remains, the coin which kept in the game center and has been kept in the case of entrance of the next time of the person concerned is paid out, and procedure of this making a deposit expenditure is performed by the hand of the personnel of a game center.

[0004]

[Problem(s) to be Solved by the Invention] what must make the aforementioned coin making a deposit expenditure him who surely deposited -- it is -- him -- naturally expenditure of an except will become a gamble action. him by the personnel who the present condition performs making a deposit expenditure by human being's hand, and are engaged in making a deposit expenditure business -- it is checking. In order to fully automate this making a deposit expenditure business, when the automatic expenditure equipment currently used in the bank etc. more widely than old tends to be used, conventional automatic expenditure equipment By coincidence of the account number and a personal identification number, since a drawer person's propriety is distinguished, even if it applies said equipment to the deposit equipment of the coin for ** game centers, the transfer store outside accompanied by the notice of a personal identification number etc. is possible, and a gamble action cannot be prevented. Then, this invention proposes the custody equipment of the coin for game centers which pays out only him who surely deposited.

[0005]

[Means for Solving the Problem] The custody equipment of the coin for game centers concerning this invention the making a deposit section which consists of a counting mechanism of the coin injection section and the thrown-in coin, a coin stores dept., and coin -- counting -- with the expenditure section which consists of a discharge device and the coin expenditure section in which the ejection of coin is possible The optical input section which consists of an optical input device of palm print or a fingerprint, and the card issue section which publishes the magnetic card which recorded making a deposit section data and input section data as magnetic memory on the occasion of making a deposit, It is characterized by having the card input section which performs data reading of said card, and the

processing section which made the functional list which distinguishes the propriety of expenditure based on optical input section data and card data have the moving control function of the making a deposit section and the expenditure section.

[0006]

[Function] the deposit time -- carrying out -- optical data, such as his palm print, -- depositing -- the number of coin -- a magnetic card -- recording -- the card concerned -- publishing -- him at the time of expenditure -- a check with optical data, such as his palm print Carry out by collating with the record data of a card, and expenditure of coin is faced. When the data read in the optical input section which consists of an optical input device of the card data based on inserting a magnetic card in the card input section, palm print, or a fingerprint are collated and this agrees, it distinguishes from him and predetermined coin is paid out of the expenditure section.

[0007]

[Example] Next, the example of this invention is explained. Drawing 1 and drawing 2 are what showed the example of this invention, and the custody equipment of the coin for game centers of this example is equipment independent box type, and includes the making a deposit section 1, the expenditure section 2, processing section 5a, the directions display 6, card input section 33a, optical input section 32a, and card fermentation section 7a in box body 8a.

[0008] The making a deposit section 1 consists of a counting mechanism 12 which carries out counting of the thrown-in coin a to the coin injection section 11 prepared in the front face of box body 8a. The expenditure section 2 the coin which discharges the coin of a predetermined number from a stores dept. 21 by control of the coin stores dept. 21 which stores the thrown-in coin in the state of alignment, and the processing section 5 -- counting -- it becomes the discharge device 22 and the front face of box body 8a from the coin expenditure section 23 which made ejection of coin possible.

[0009] Input section 3a consists of input switch 31a for inputting the intention of those who are going to perform making a deposit expenditure of coin, image scanner (optical input section) 32a which detects an equipment user's palm print, and card input section 33a equipped with the card reader which reads the data of magnetic-card A.

[0010] Card issue section 7a is recorded on Card A by using the enumeration data of the making a deposit section 1 as magnetic memory, and publishes Card A to a making a deposit person at the data list of image scanner 32a.

[0011] Processing section 5a is CPU equipped with the suitable throughput, may use the personal computer incorporating a proper program, and distinguishes coincidence of the image data from an image scanner 32 from a card input section 33a input in the motion-control list of the aforementioned making a deposit section 1, the expenditure section 2, input section 3a, the directions display 6, and card issue section 7a.

[0012] The directions display 6 is the proper display machine formed in box body 8a, and those who direct the procedure used to a user and are going to deposit coin direct equipment actuation from input switch 31a with directions of the directions display 6, and it directs that the directions display 6 lays a palm in the injection list of the coin a to the injection section 11 to up to image scanner 32a.

[0013] If a making a deposit person carries out as said directions display 6 directions, equipment will carry out counting of the thrown-in coin (making a deposit coin) a, will record the number of making a deposit coin on magnetic-card A with a palm-print image data, and will be published from issue section 7a.

[0014] Next, if operate input switch 31a by directions of the directions display 6 similarly, magnetic-card A published at the time of making a deposit is inserted in card input section 33a on the occasion of a repayment, magnetic rough record of the card concerned is read with a card reader and a palm is laid on image scanner 32a at coincidence, the palm-print data of the card concerned and coincidence of the palm-print image of image scanner 32a will be checked, and expenditure of making a deposit coin will be performed. Although the making a deposit coin total amount is sufficient as this expenditure, it is a signal from input switch 31a, it may leave the balance, may end expenditure and publishes the magnetic card which recorded optical data, such as a making a deposit person's palm print, on the balance list in

that case.

[0015] therefore, a making a deposit person -- a third person -- the right of making a deposit coin -- the outside of a store -- free -- it cannot transfer -- surely -- a making a deposit person -- since expenditure of making a deposit coin cannot be performed if it is not him, there is no possibility that a gamble action may occur, and automation of making a deposit expenditure is realized, and there is an advantage which does not need the memory section holding the optical data of a making a deposit person's palm print or a fingerprint for equipment.

[0016] in addition, the making a deposit person based on the input data with which this invention is not limited to said example, and especially this invention consists of an optical input device of the magnetic-card input section, palm print, or a fingerprint -- if his coincidence can be checked, the concrete configuration of an expenditure device itself can be set to the making a deposit device list of coin at arbitration.

[0017]

[Effect of the Invention] Mechanization of a deposit of the coin for game centers is faced this invention as mentioned above. Since it constituted so that it might distinguish whether you are him by [of the data which read the optical data of palm print or a fingerprint in the direct optical input section at the he check, and the data recorded by the card which read in the past] collating a making a deposit person -- him -- as expenditure of an except cannot be performed, generating of a gamble action is prevented, and automation of coin making a deposit expenditure business is attained.

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TECHNICAL FIELD

[Industrial Application] This invention relates to the coin custody equipment which keeps the coin only for the game centers concerned installed in a game center.

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PRIOR ART

[Description of the Prior Art] The game center is equipped with various kinds of game devices, and a player (customer) carries out the predetermined number injection of the coin concerned at a game machine to exchange and use for coin original with a game center, and it presents play with the game machine concerned. By the way, the play by the game machine may be canceled without there being also a device by which coin increases and returns depending on a game machine and using all the exchanged coin. Carrying out out of a game center is forbidden for coin in that case. That is, it is because coin possesses fixed monetary value, so transfer of the coin in the outside of a game center serves as a gamble action clearly forbidden by law.

[0003] So, when coin remains, the coin which kept in the game center and has been kept in the case of entrance of the next time of the person concerned is paid out, and procedure of this making a deposit expenditure is performed by the hand of the personnel of a game center.

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EFFECT OF THE INVENTION

[Effect of the Invention] above -- mechanization of the deposit of the coin for game centers in this invention -- facing -- him -- by [of the data which read the optical data of palm print or a fingerprint in the direct optical input section at the check, and the data recorded by the card which read in the past] collating, it constituted so that it might distinguish whether you are him. therefore, a making a deposit person -- him -- as expenditure of an except cannot be performed, generating of a gamble action is prevented, and automation of coin making a deposit expenditure business is attained.

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TECHNICAL PROBLEM

[Problem(s) to be Solved by the Invention] what must make the aforementioned coin making a deposit expenditure him who surely deposited -- it is -- him -- naturally expenditure of an except will become a gamble action. him by the personnel who the present condition performs making a deposit expenditure by human being's hand, and are engaged in making a deposit expenditure business -- it is checking. In order to fully automate this making a deposit expenditure business, when the automatic expenditure equipment currently used in the bank etc. more widely than old tends to be used, conventional automatic expenditure equipment By coincidence of the account number and a personal identification number, since a drawer person's propriety is distinguished, even if it applies said equipment to the deposit equipment of the coin for ** game centers, the transfer store outside accompanied by the notice of a personal identification number etc. is possible, and a gamble action cannot be prevented. Then, this invention proposes the custody equipment of the coin for game centers which pays out only him who surely deposited.

[0005]

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MEANS

[Means for Solving the Problem] This invention is characterized by providing the following to the custody equipment of the coin for game centers. The making a deposit section which consists of a counting mechanism of the coin injection section and the thrown-in coin a coin stores dept. and coin -- counting -- the expenditure section which consists of a discharge device and the coin expenditure section in which the ejection of coin is possible The optical input section which consists of an optical input device of palm print or a fingerprint The card issue section which publishes the magnetic card which recorded making a deposit section data and input section data as magnetic memory on the occasion of making a deposit, the card input section which performs data reading of said card, and the processing section which made the functional list which distinguishes the propriety of expenditure based on optical input section data and card data have the moving control function of the making a deposit section and the expenditure section

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OPERATION

[Function] the deposit time -- carrying out -- optical data, such as his palm print, -- depositing -- the number of coin -- a magnetic card -- recording -- the card concerned -- publishing -- him at the time of expenditure -- a check -- optical data, such as his palm print, When it carries out by collating with the record data of a card, the data read in the optical input section which consists of an optical input device of the card data based on inserting a magnetic card in the card input section, palm print, or a fingerprint are collated on the occasion of expenditure of coin and this agrees, it distinguishes from him and predetermined coin is paid out of the expenditure section.

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EXAMPLE

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[0015] therefore, a making a deposit person -- a third person -- the right of making a deposit coin -- the outside of a store -- free -- it cannot transfer -- surely -- a making a deposit person -- since expenditure of making a deposit coin cannot be performed if it is not him, there is no possibility that a gamble action may occur, and automation of making a deposit expenditure is realized, and there is an advantage which does not need the memory section holding the optical data of a making a deposit person's palm print or a fingerprint for equipment.

[0016] in addition, the making a deposit person based on the input data with which this invention is not limited to said example, and especially this invention consists of an optical input device of the magnetic-card input section, palm print, or a fingerprint -- if his coincidence can be checked, the concrete configuration of an expenditure device itself can be set to the making a deposit device list of coin at arbitration.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] The external view of the example equipment of this invention.

[Drawing 2] The block diagram showing the configuration of this example equipment.

[Description of Notations]

1 Making a Deposit Section

2 Expenditure Section

5a Processing section

6 Directions Display

7a Card issue section

8a Box body

11 Injection Section

12 Counting Mechanism

21 Coin Stores Dept.

22 Counting -- Discharge Device

23 Expenditure Section

3a Input section

31a Input switch

32a Image scanner

33a Card input section

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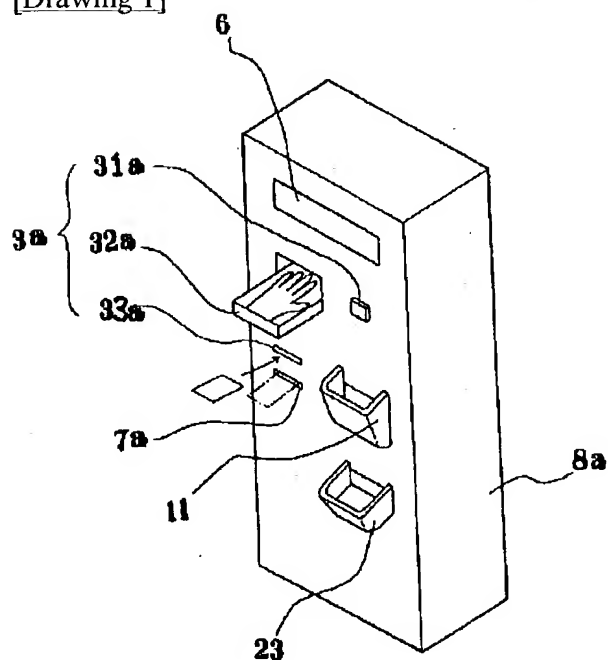
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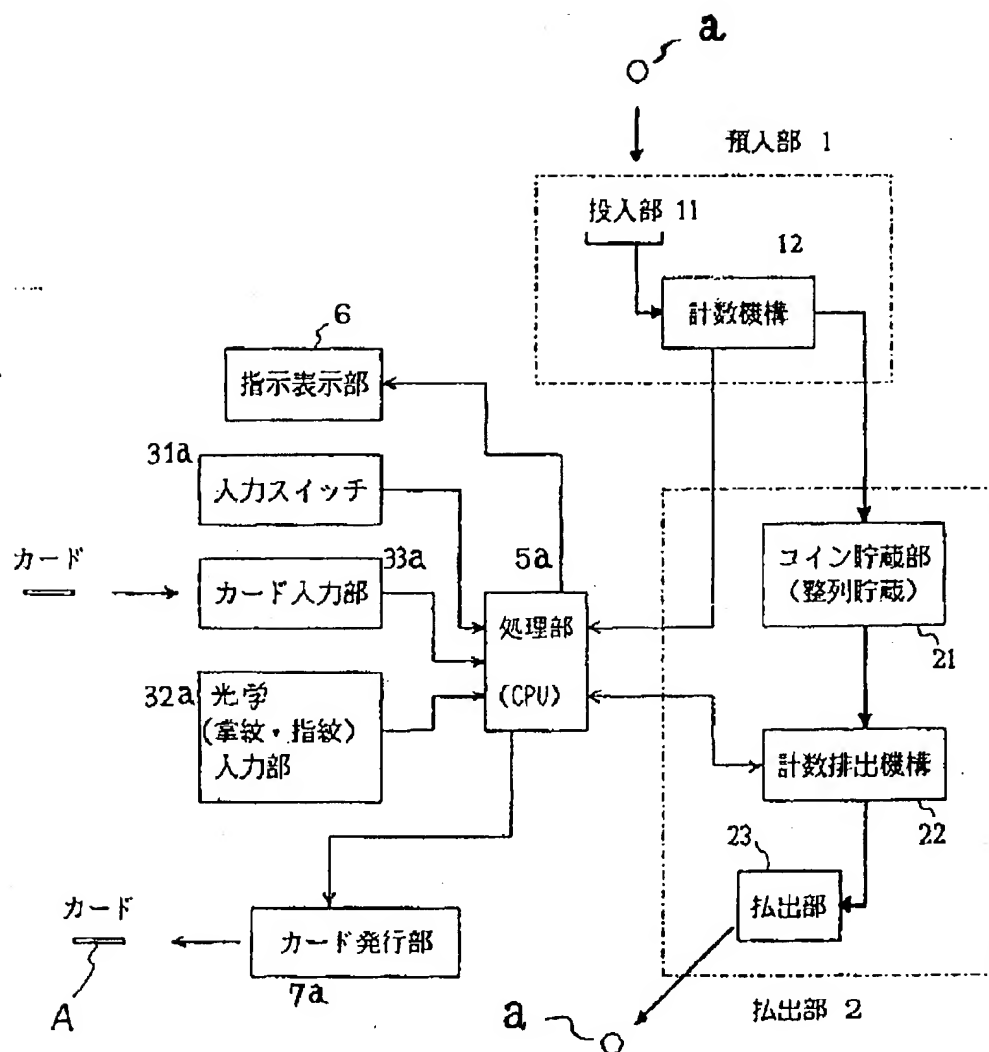
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DRAWINGS

[Drawing 1]



[Drawing 2]



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CORRECTION OR AMENDMENT

[Kind of official gazette] Printing of amendment by the convention of 2 of Article 17 of Patent Law
 [Section partition] The 2nd partition of the 1st section
 [Publication date] September 4, Heisei 13 (2001. 9.4)

[Publication No.] JP,9-117567,A
 [Date of Publication] May 6, Heisei 9 (1997. 5.6)
 [Annual volume number] Open patent official report 9-1176
 [Application number] Japanese Patent Application No. 8-223933
 [The 7th edition of International Patent Classification]

A63F 7/02 352

G07F 7/12

[FI]

A63F 7/02 352 G
 352 F
 G07F 7/08 B

[Procedure revision]

[Filing Date] December 1, Heisei 12 (2000. 12.1)

[Procedure amendment 1]

[Document to be Amended] Specification

[Item(s) to be Amended] Claim

[Method of Amendment] Modification

[Proposed Amendment]

[Claim(s)]

[Claim 1] The making a deposit section which carries out counting of the coin thrown in from the coin injection section, and receives it,

Counting of the received coin is carried out and it is the expenditure section in which predetermined number discharge is possible,

The input section which reads the enumeration data of said making a deposit section recorded on the data and the card of the palm print recorded on the card, or a fingerprint while detecting an equipment user's palm print or fingerprint,

Custody equipment of the coin for game centers characterized by having the processing section which distinguishes the propriety of expenditure from said detected palm print or fingerprint, said read palm print, or a fingerprint, and controls discharge of said expenditure section based on the enumeration data of said read making a deposit section.

[Procedure amendment 2]
 [Document to be Amended] Specification
 [Item(s) to be Amended] 0005
 [Method of Amendment] Modification
 [Proposed Amendment]
 [0005]

[Means for Solving the Problem] This invention is characterized by providing the following in invention of claim 1, in order to solve the above-mentioned technical problem. The making a deposit section which carries out counting of the coin thrown in from the coin injection section, and receives it. Counting of the received coin is carried out and it is the expenditure section in which predetermined number discharge is possible. The input section which reads the enumeration data of said making a deposit section recorded on the data and the card of the palm print recorded on the card, or a fingerprint while detecting an equipment user's palm print or fingerprint. The processing section which distinguishes the propriety of expenditure from said detected palm print or fingerprint, said read palm print, or a fingerprint, and controls discharge of said expenditure section based on the enumeration data of said read making a deposit section.

[Procedure amendment 3]
 [Document to be Amended] Specification
 [Item(s) to be Amended] 0006
 [Method of Amendment] Modification
 [Proposed Amendment]
 [0006]

[Function] him at the time of expenditure -- collating with the data of the palm print recorded on detection and the card of his palm print etc. in the check, or a fingerprint -- carrying out -- him -- when a check is completed, based on the enumeration data of the making a deposit section currently recorded on the card, predetermined number discharge of the coin is carried out from the expenditure section.

[Procedure amendment 4]
 [Document to be Amended] Specification
 [Item(s) to be Amended] 0017
 [Method of Amendment] Modification
 [Proposed Amendment]

[0017] above -- mechanization of the deposit of the coin for game centers in this invention -- facing -- him at the time of expenditure -- collating with the data of the palm print recorded on detection and the card of his palm print or a fingerprint in the check, or a fingerprint -- carrying out -- him -- when a check was completed, based on the enumeration data of the making a deposit section currently recorded on the card, it was made to carry out predetermined number discharge of the coin from the expenditure section. Therefore, as expenditure of those other than a making a deposit person cannot be performed, generating of a gamble action can be prevented, and automation of coin deposit expenditure business can be attained.

[Translation done.]